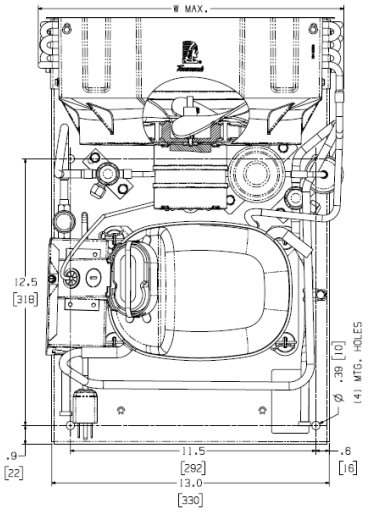
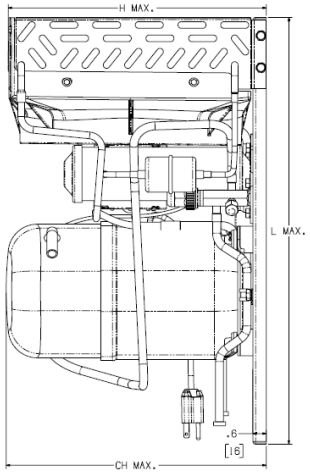
January 21, 2013
Revision: REL

Celseon® Air Cooled Condensing Unit

Model: AJB2447ZNAD*
BoM: 2G1001- R-404a 1-1/4 HP**





Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AJB2447ZNADA	20.0	14.3	12.1	12.2	3/8" S	1/4" S	N/A	230	30	63
AJB2447ZNADG					3/8" S	3/8" S	2.7 lbs			64
AJB2447ZNADH					3/8" S	3/8" S	N/A			63
AJB2447ZNADK					3/8" S	1/4" S				63
AJB2447ZNADC					3/8" S	3/8" S	2.7 lbs			64
AJB2447ZNADS					3/8" S	3/8" S	N/A			63
AJB2447ZNADJ					3/8" S	3/8" S	2.7 lbs			64
AJB2447ZNADP					3/8" S	3/8" S	2.7 lbs			64

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting
Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

		Ambient Temperatures											
Evaporator T,		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-40	4.3	2431	842	95	2089	825	104	1769	808	113	1470	792	122
-35	6.7	2833	921	98	2457	908	107	2102	895	115	1770	882	124
-30	9.6	3270	1007	101	2857	997	110	2466	987	118	2097	978	127
-25	12.7	3735	1097	104	3283	1091	113	2853	1085	121	2444	1079	129
-20	16.0	4222	1193	107	3729	1191	116	3257	1188	124	2806	1186	132
-15	19.7	4723	1294	111	4187	1295	119	3672	1297	127	3175	1298	135
-10	23.7	5231	1401	114	4649	1406	122	4087	1411	130	3542	1415	138
-5	27.9	5736	1513	118	5107	1522	125	4496	1530	133	3898	1538	141
0	32.6	6229	1631	121	5550	1643	129	4886	1655	136	4231	1667	144
5	37.6	6699	1754	125	5967	1770	132	5247	1785	139	4529	1801	147
10	43.1	7133	1883	129	6346	1902	136	5565	1921	143	4774	1940	150

60 Hz Performance

Return gas temp. 40°F, 5°F sub cooling

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Specifications/ Parts:

Unit Model	**AJB2447ZNADA**
Unit Bill of Material	**2G1001-09**
Refrigeration Range	-40° F to +10° F
Design Pressure Low	181
Design Pressure High	450
Nominal Volts-Hz-Ph	208/230-60-1
Voltage Range	187 to 254
Min. Circuit Ampacity	11.1
Max. Fuse Size (amps)	15
Compressor Model	AJB2444ZXD
Comp. Bill of Material	AJ605EF-442-P2
Compressor RLA/LRA	8.5/55
Overload	External
Relay	820ARR3K15
Run Capacitor	85PR370E35
Run Capacitor Rating	20MFD 370V(M) VDE
Start Capacitor	85PS330D15
Start Capacitor Rating	124-149 MFD 330V
Fan Motor	810-10002
Fan Motor RLA	.45
Fan Blade	515-10003
Fan Shroud/Guard Combo	707-00005
Condenser	506-10008
Unit Drawing	DGU1971-05
Wiring Diagram	91266-02
Replacement Kit: Relay	K71-30
Replacement Kit: O/L	K90-48

Unit Model	**AJB2447ZNADG**
Unit Bill of Material	**2G1001-19**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Unit Model	**AJB2447ZNADH**
Unit Bill of Material	**2G1001-29**
Liquid Valve	56630
Suction Valve	56630
Unit Model	**AJB2447ZNADK**
Unit Bill of Material	**2G1001-39**
Power Cord	85259-5
Unit Model	**AJB2447ZNADC**
Unit Bill of Material	**2G1001-59**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Power Cord	85259-5
Unit Model	**AJB2447ZNADS**
Unit Bill of Material	**2G1001-69**
Liquid Valve	56630
Suction Valve	56630
Power Cord	85259-5
Unit Model	**AJB2447ZNADJ**
Unit Bill of Material	**2G1001-79**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Filter Drier	71116
Sight Glass	70084
Unit Model	**AJB2447ZNADP**
Unit Bill of Material	**2G1001-89**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Power Cord	85259-5
Filter Drier	71116
Sight Glass	70084

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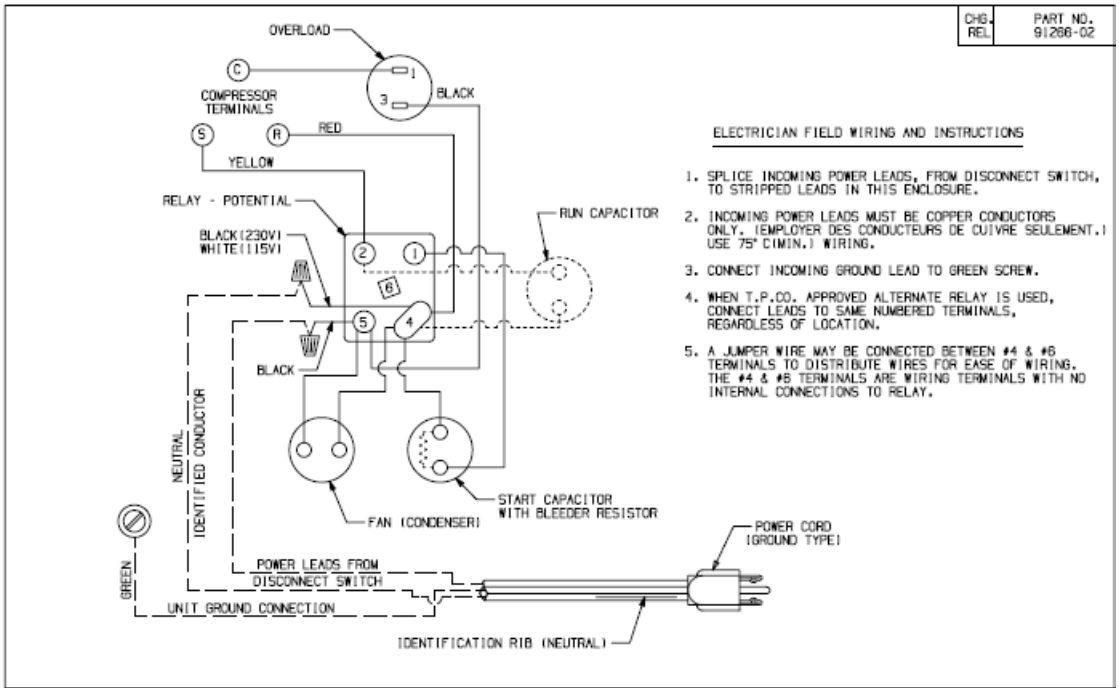
CHG. REL
PART NO. 91286-02
OVERLOAD
C
COMPRESSOR TERMINALS
S
R
RED
YELLOW
BLACK
RELAY - POTENTIAL
BLACK (230V) WHITE (115V)
RUN CAPACITOR
BLACK
NEUTRAL IDENTIFIED CONDUCTOR
FAN (CONDENSER)
START CAPACITOR WITH BLEEDER RESISTOR
POWER CORD (GROUND TYPE)
GREEN
POWER LEADS FROM DISCONNECT SWITCH
UNIT GROUND CONNECTION
IDENTIFICATION RIB (NEUTRAL)
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS
1. SPLICE INCOMING POWER LEADS, FROM DISCONNECT SWITCH, TO STRIPPED LEADS IN THIS ENCLOSURE.
2. INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.) USE 75° C (MIN.) WIRING.
3. CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4. WHEN T.P.CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS, REGARDLESS OF LOCATION.
5. A JUMPER WIRE MAY BE CONNECTED BETWEEN #4 & #6 TERMINALS TO DISTRIBUTE WIRES FOR EASE OF WIRING. THE #4 & #6 TERMINALS ARE WIRING TERMINALS WITH NO INTERNAL CONNECTIONS TO RELAY.